

Listing of Claims.

Please amend the claims as shown below by deleting the material indicated by strike-through and adding the underlined material. This listing of claims will replace all prior versions and listings of the claims in this application.

1. (Amended) An isolated polynucleotide comprising a nucleic acid ~~sequence~~ encoding ROC1, said nucleic acid ~~sequence~~ selected from the group consisting of:

(a) a nucleic acid ~~sequence~~ consisting of having the nucleotide sequence of **SEQ ID NO:1**;

e) (b) a nucleic acid ~~sequence~~ that hybridizes to the complement of the a nucleic acid consisting of the nucleotide sequence of **SEQ ID NO:1** ~~(a) above~~ under stringent conditions defined by a wash of 50% Formamide, 5X Denhardt's solution, 0.5% SDS and 1X SSPE at 42°C, wherein said nucleic acid encodes a protein that forms a complex with a cullin protein and/or has ubiquitin ligase activity;

(c) a nucleic acid ~~sequence~~ that differs from the nucleic acid ~~sequence~~ of (a) or (b) above due to the degeneracy of the genetic code; and

(d) a nucleic acid ~~sequence~~ having at least 95% sequence identity to the nucleotide sequence of **SEQ ID NO:1**, wherein said nucleic acid encodes a protein that forms a complex with a cullin protein and/or has ubiquitin ligase activity.

Claim 2. (Cancelled)

3. (Currently Amended) An isolated polynucleotide according to Claim 1, wherein said nucleic acid ~~sequence~~ encodes a ROC1 protein consisting of having the amino acid sequence given herein as **SEQ ID NO:2**.

4. (Currently Amended) An isolated polynucleotide according to Claim 1,

wherein said nucleic acid ~~sequence has~~ consists of the nucleotide sequence given herein as **SEQ ID NO:1**.

5. (Previously Presented) An expression vector comprising an isolated polynucleotide according to Claim 1.

6. (Currently Amended) A cell comprising ~~containing~~ an expression vector according to Claim 5.

7. (Currently Amended) A cell comprising ~~containing~~ an expression vector according to Claim 6 and capable of expressing ROC1.

Claim 8-12 (Withdrawn)

13. (Currently Amended) An antisense oligonucleotide that is 8 to 50 nucleotides in length and is completely complementary to a portion of the nucleic acid sequence encoding ROC1 of Claim 1 ~~and having a length sufficient to hybridize thereto under physiological conditions.~~

14. (Currently Amended) The A-DNA encoding an antisense oligonucleotide of Claim 13, wherein said oligonucleotide is DNA.

15. (Currently Amended) An expression vector encoding ~~comprising~~ an antisense oligonucleotide according to Claim 13.

16. (Currently Amended) A method for producing a protein comprising the amino acid sequence of **SEQ ID NO:2**, or a fragment thereof, comprising

(a) culturing a host cell comprising containing an expression vector
comprising a polynucleotide comprising a nucleic acid selected from the group
consisting of:

- (i) a nucleic acid consisting of the nucleotide sequence of SEQ ID
NO:1;
- (ii) a nucleic acid that differs from the nucleic acid of (i) above due
to the degeneracy of the genetic code; and
- (iii) a segment of at least 60 nucleotides of the nucleic acid of (i) or
(ii) above;

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~~containing at least a fragment of the polynucleotide sequence encoding~~
~~ROC1 under conditions suitable for the expression of the protein; and~~

(b) recovering the protein from the host cell culture.

Claims 17-48 (Withdrawn)
